

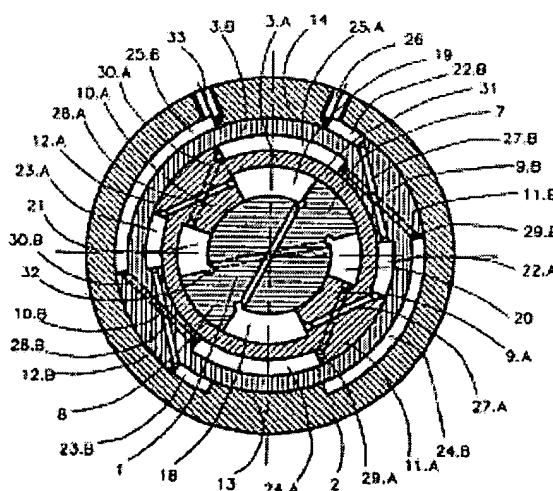
Telescopic hydraulic or pneumatic rotary actuator with paddles

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Abstract of FR2754021

The actuator contains a drive shaft (1) equipped with paddles (7,8) turning in the inside of a cylinder (3A). It is characterised in that this cylinder has internal (9A,10a) paddles and external (11A,12A) paddles which in turn can turn within a second cylinder (3B). This can be repeated 'N' times all turning in the body (2) of the actuator which has fixed stops (13,14). These paddles form a series of concentric chambers which are interconnected by orifices for feeding fluid under pressure via the connections (26,33) on the body of the actuator, one connection (26) acting as the pressure feed while the other (33) acting as the return to tank or discharge. These can be reversed for reversing the direction of rotation of the actuator.



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